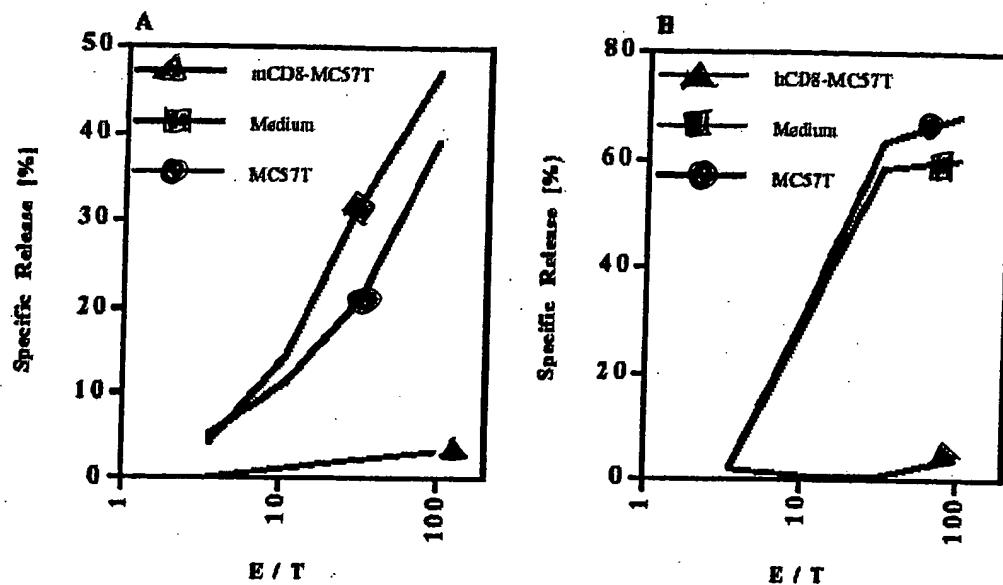


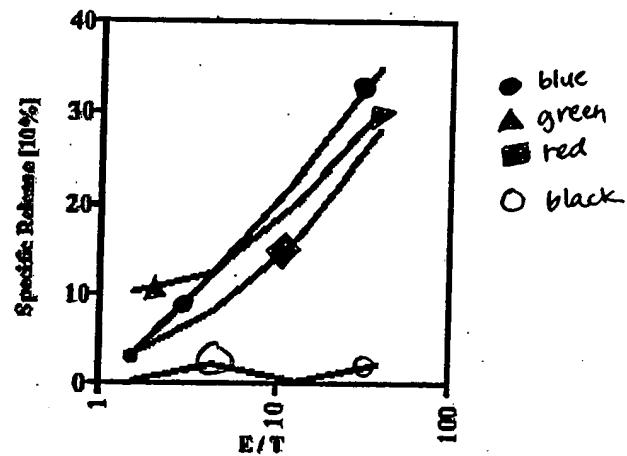
ANNOTATED SHEET  
SHOWING CHANGES



~~Adult spleen cells were stimulated with C57BL/6 spleen cells. Cultures were supplemented with normal fibroblast (blue) medium (red) or fibroblasts with CD8 (green) of mouse (A) or human (B) origin. Cultures were harvested and tested for their lytic ability towards C57BL/6-derived target cells.~~

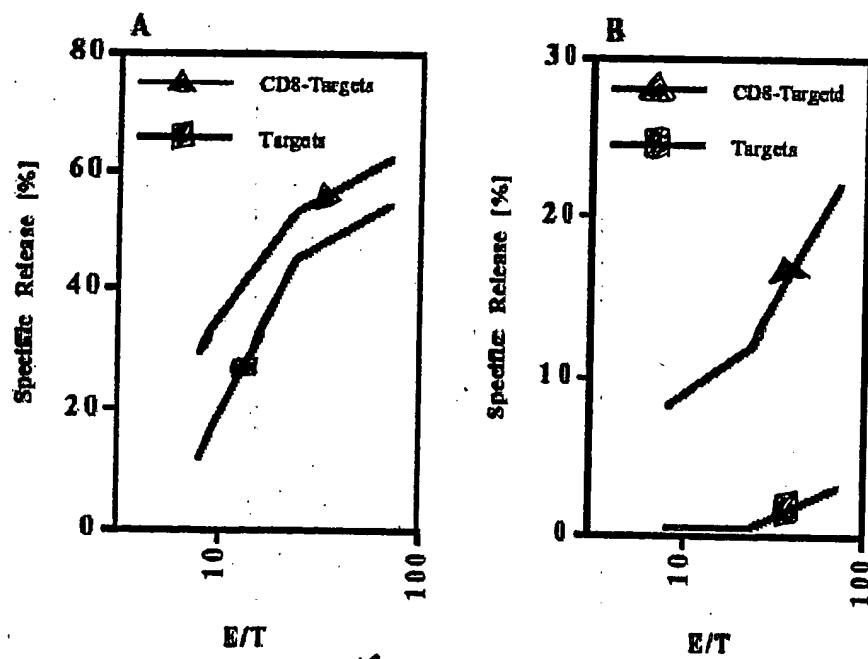
Figure 3

ANNOTATED SHEET  
SHOWING CHANGES



Balb/c (H-2d) mice were injected with parental fibroblasts (red and green) or mCD8 transfected C57BL/6 (H-2b) derived (black and blue) fibroblasts. After two weeks animals were sacrificed, spleen cells were harvested, stimulated with C57BL/6 (H-2b) (red and black) or CBA/J (H-2c) (blue and green) spleen cells and tested for their lytic ability on EL4 (H-2b) (red and black) or SAK/J (H-2k) (blue and green) target cells.

Figure 4



Target cells (green) or CD8-expressing targets (red) were tested for their susceptibility to lysis by allogeneic T cells (A) or by antigen-specific CTLs (B).

Figure 5

ANNOTATED SHEET  
SHOWING CHANGES

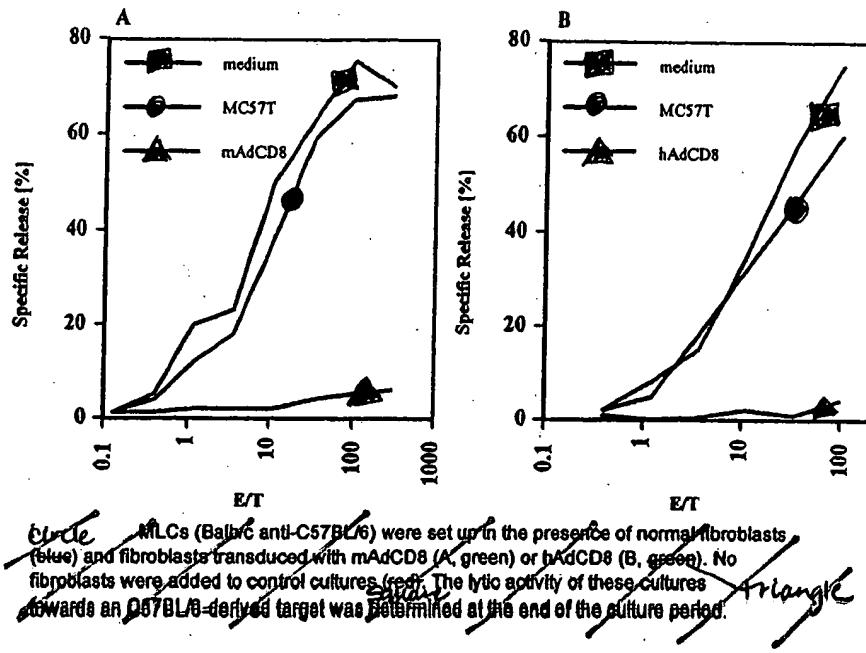


Figure 6

ANNOTATED SHEET  
SHOWING CHANGES

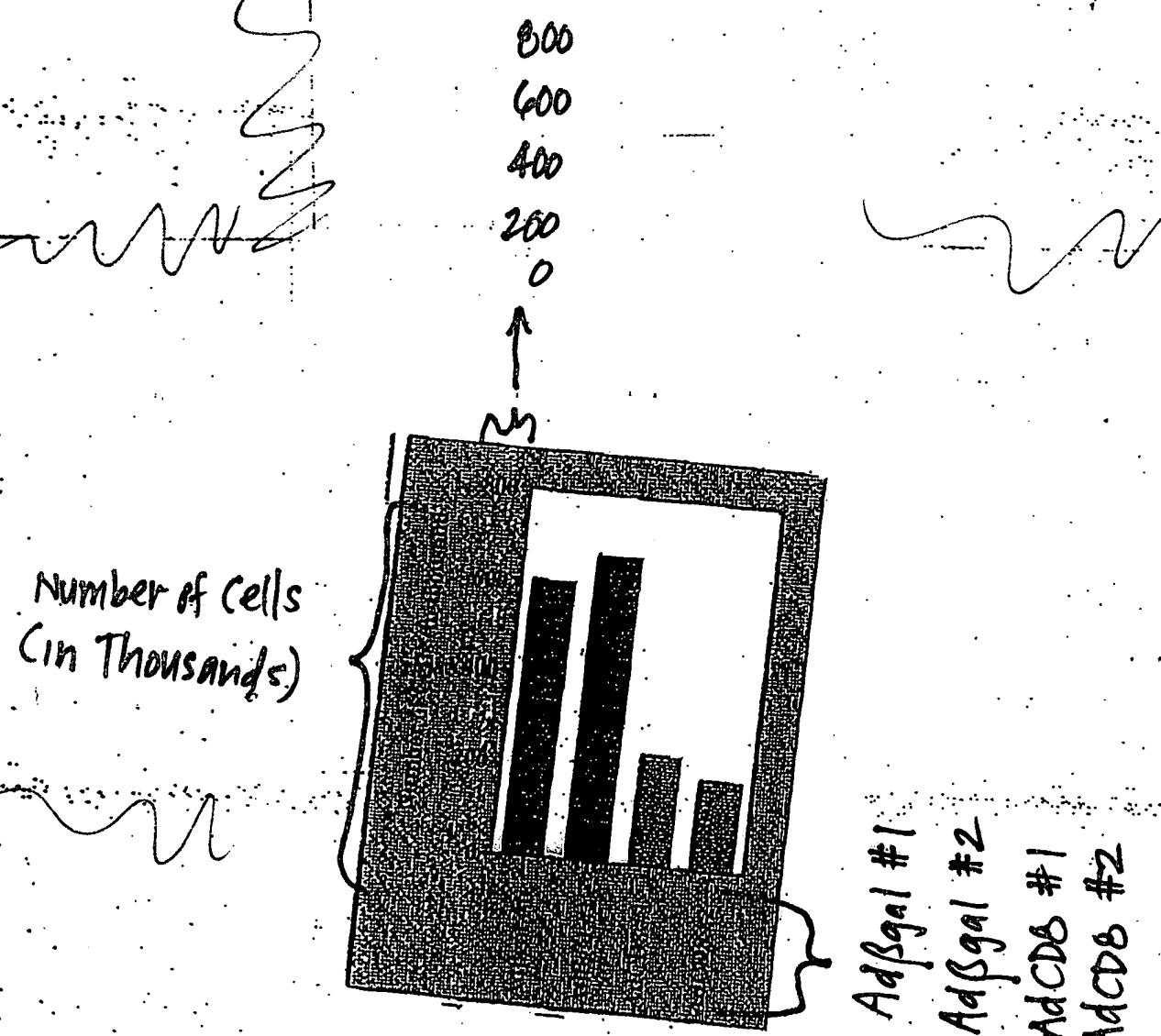


FIGURE 7

ANNOTATED SHEET  
SHOWING CHANGES

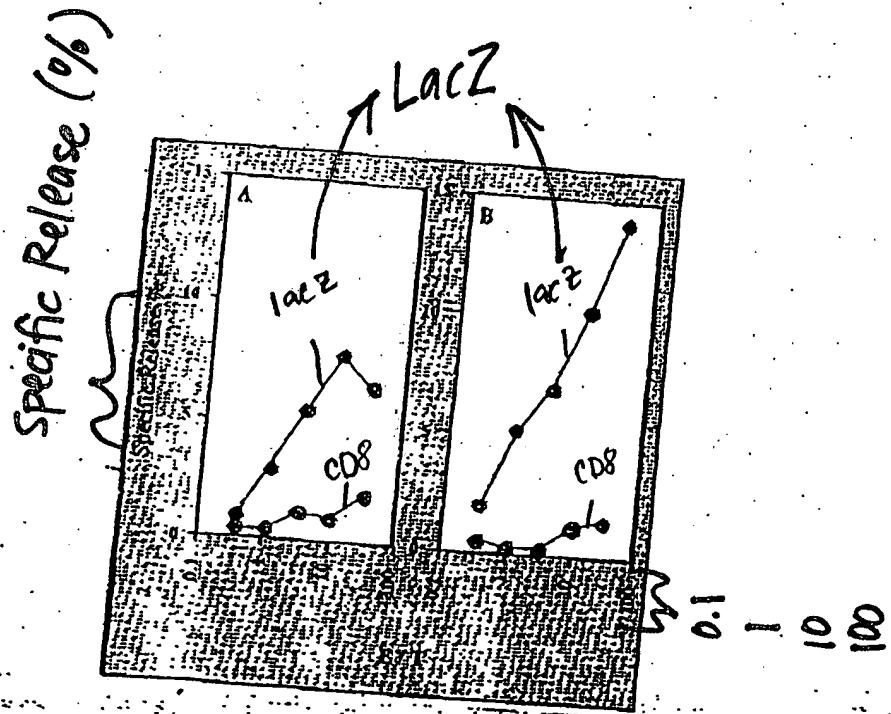
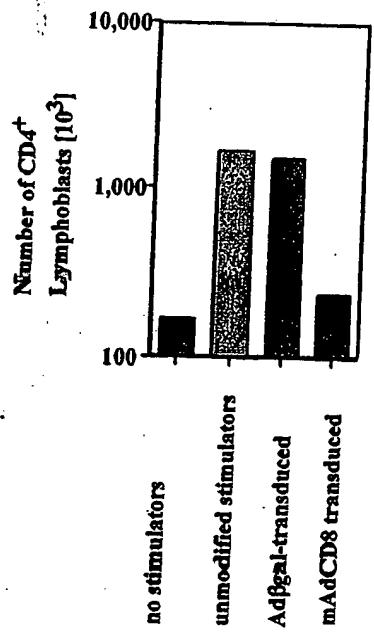


FIGURE 8

ANNOTATED SHEET  
SHOWING CHANGES



$3 \times 10^6$  C7Bl/6 spleen cells were  
incubated with  $1 \times 10^6$  (or no) stimulator cells,  
transduced as indicated. After 4 days the cultures  
were analyzed for presence CD4<sup>+</sup> T lymphoblasts  
by immunofluorescence.

Figure 9

ANNOTATED SHEET  
SHOWING CHANGES

FIGURE 10A

Infected Cells: MCS7T Fibroblasts  
Panel 1: Mock-Infection; Panel 2: Infection with hAdCD8

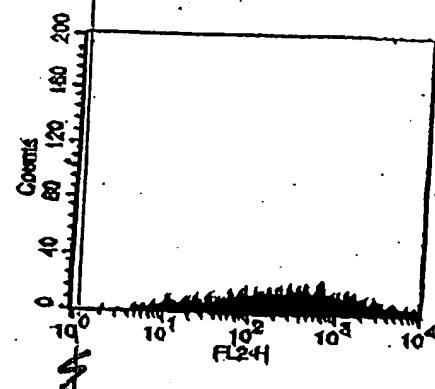
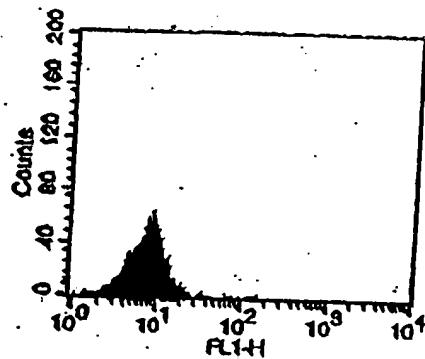
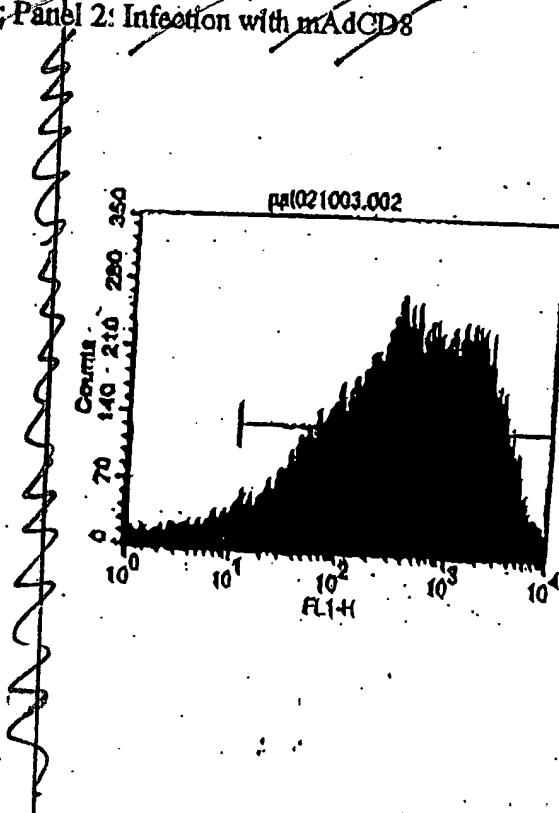
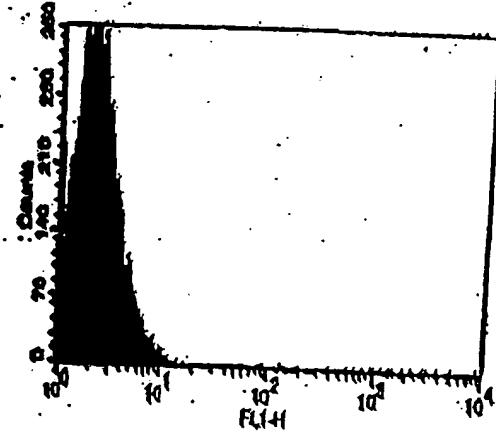


FIGURE 10B

Infected Cells: MCS7T Fibroblasts  
Panel 1: Mock-Infection; Panel 2: Infection with mAdCD8



ANNOTATED SHEET  
SHOWING CHANGES

FIGURE 10C

Infected Cells: Balbo unselected bone marrow cells:

Panel 1: Infection with  $\beta$ gal Adenoviral Vector (Ad $\beta$ gal);

Panel 2: Infection with mAdCD8

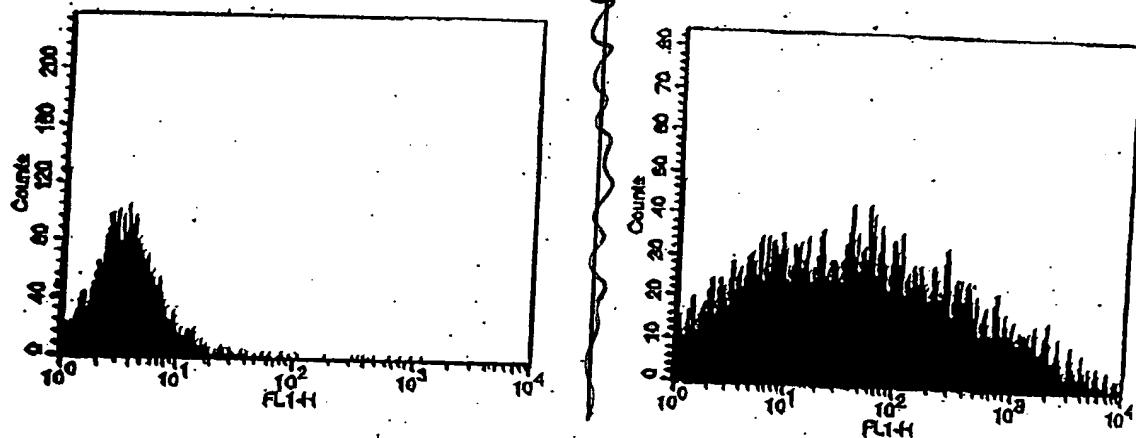


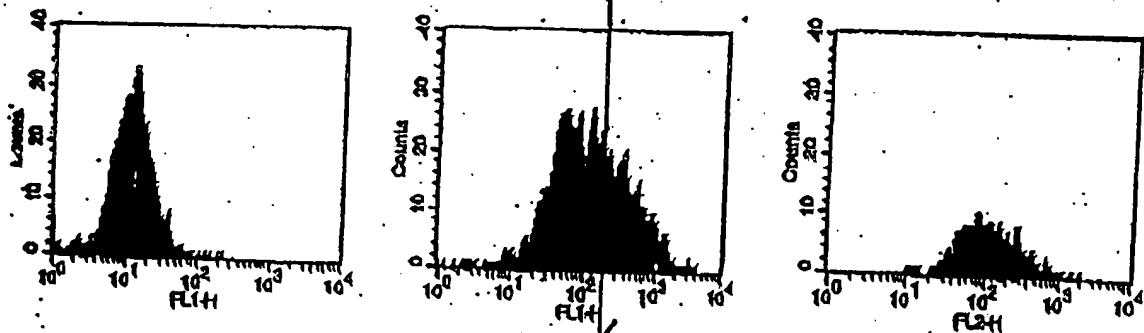
FIGURE 10D

Infected Cells: MC57T Fibroblasts

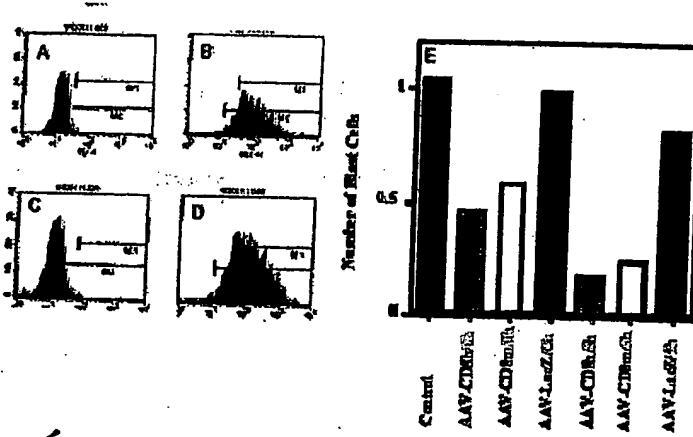
Panel 1: Mock-Infection;

Panel 2: Infection with pAAV-mCD8;

Panel 3: Infection with pAAV-hCD8



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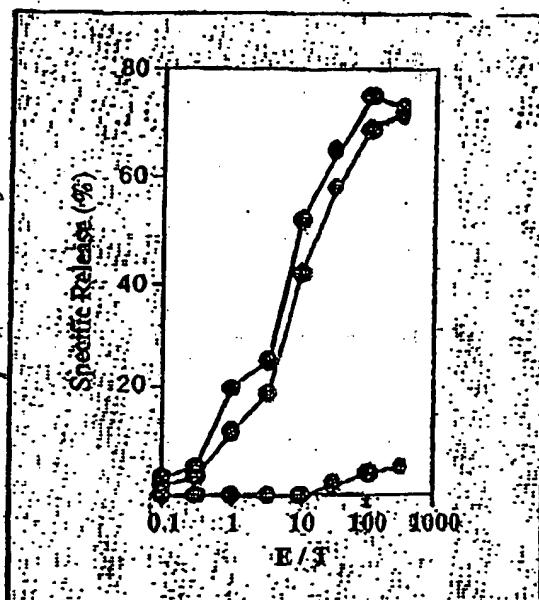


Fibroblasts were transduced with mAAVCD8 (B) or hAAVCD8 (D) or mock-infected (A and C). Surface expression of CD8 was detected by surface immunofluorescence (A through D). MLCs (Balb/c anti-C57BL/6) were set up in the presence of these fibroblasts that had been cultured for 0 or 5 hours after transduction before they were added to the MLCs. At end of cultures, the number of lymphoblasts was determined on a fluorescence activated cell analyzer.

Figure 11

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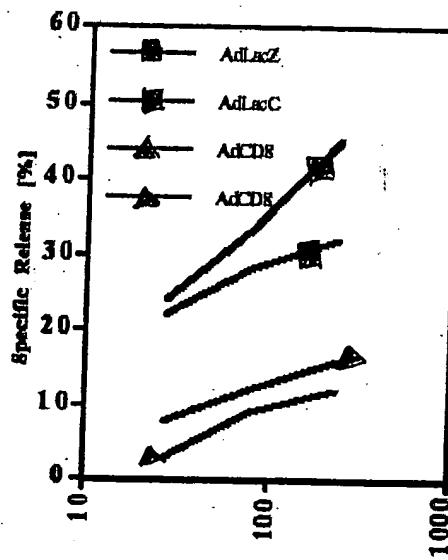
specific Release (%)



3 0.1 1 10 100 1000

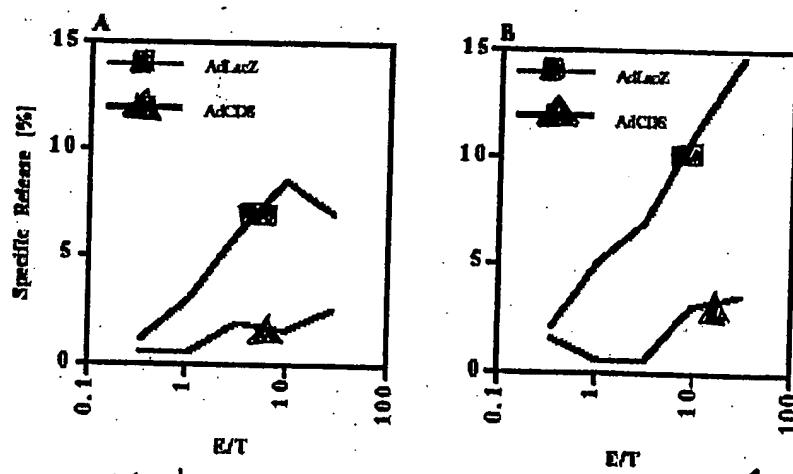
FIGURE 12

ANNOTATED SHEET  
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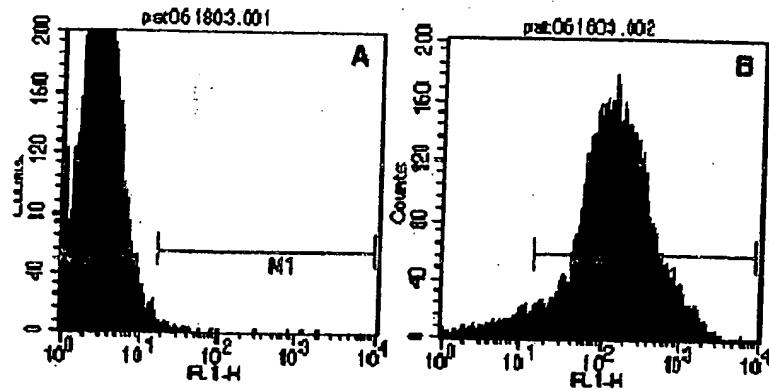
~~triangle~~ ~~square~~ ~~E/T~~  
Bulle mice were immunized with AdLacZ (green) or mAdCD8 (red). Their spleen cells were cultured in the presence of AdLacZ and tested for specific lytic activity against AdLacZ-infected syngeneic P815 target cells.

Figure 13



~~triangle~~ ~~square~~  
(A) C57BL/6 animals were immunized with AdLacZ (red) or mAdCD8 (green). Their lytic activity of their spleen cells towards syngeneic AdLacZ BL4 target cells was tested. (B) Such animals were re-immunized with AdLacZ prior to testing their lytic activity against AdLacZ-infected BL4 targets.

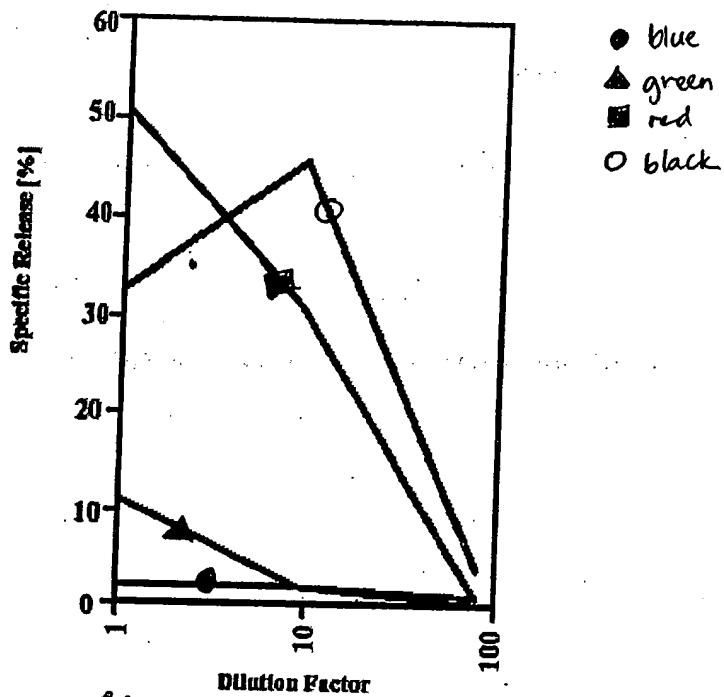
ANNOTATED SHEET  
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~~Single cell suspensions were prepared from newborn hearts. The heart muscle cells were transduced with mAdCD8 (B) or mock-infected, cultured for 48 hours and stained for the surface expression of CD8.~~

Figure 15

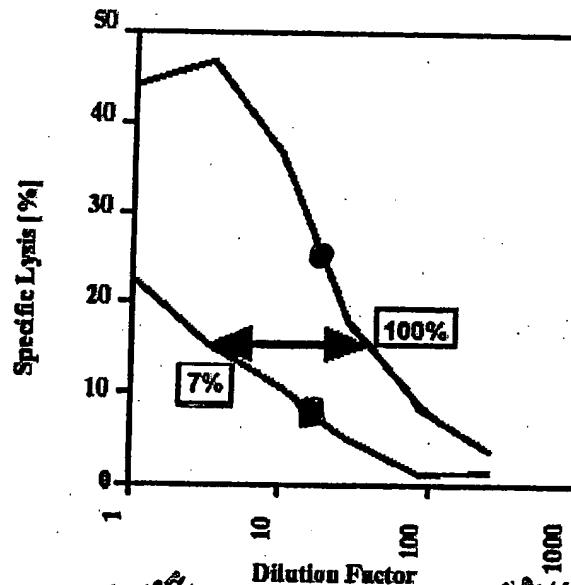
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~~Sample~~  
Newborn C57BL/6 hearts were infected with  $10^8$  (red),  $5 \times 10^7$  (green),  $10^7$  (blue) PFU AdCD8 or mock-infected (black). Thirty-five days after transplantation into BALB/c recipients, the activity of the lytic activity of activated recipient T cells was tested on donor-type target cells.

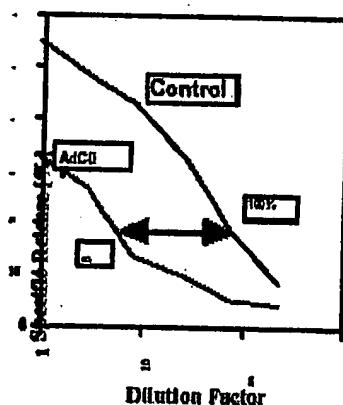
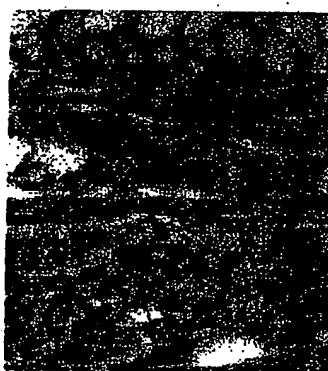
Figure 16

ANNOTATED SHEET  
SHOWING CHANGES



~~Figure 17~~  
Newborn C57Bl/6 hearts were infected with AdCD8 (red) or mock-infected (black). Thirty-eight days after transplantation into BALB/c recipients, the activity of the lytic activity of activated recipient T cells was tested on donor-type target cells.

Figure 17



Animal #725-

~~Figure 18~~  
C57BL/6 hearts infected with mAdCD8 (treated) or mock-infected (control) were transplanted into Balb/c mice. After 52 days, the animals were sacrificed and the tissue was stained (HE) and the lytic activity of recipient T cells was tested on donor-type target cells.

Figure 18

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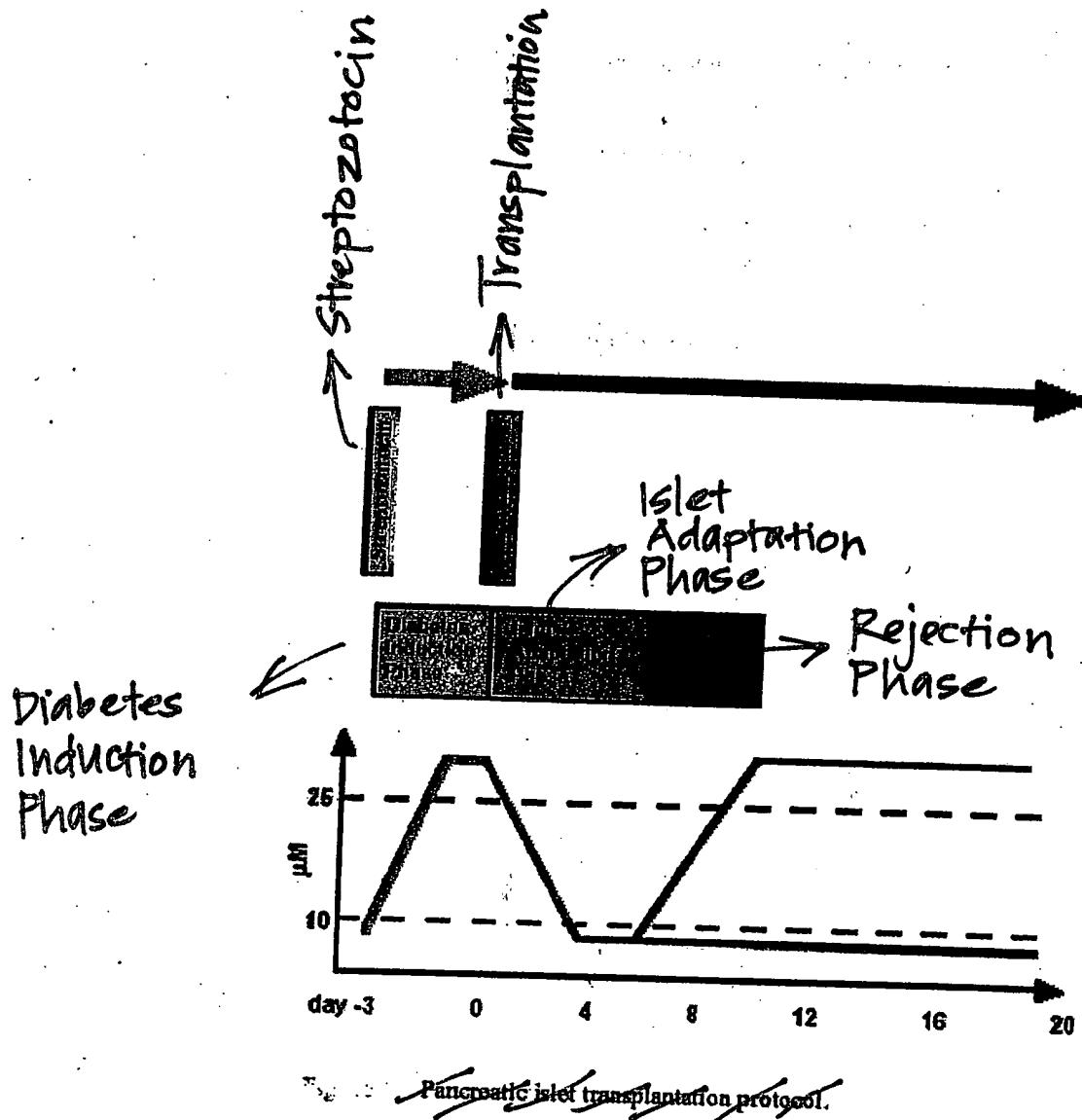


Figure 19

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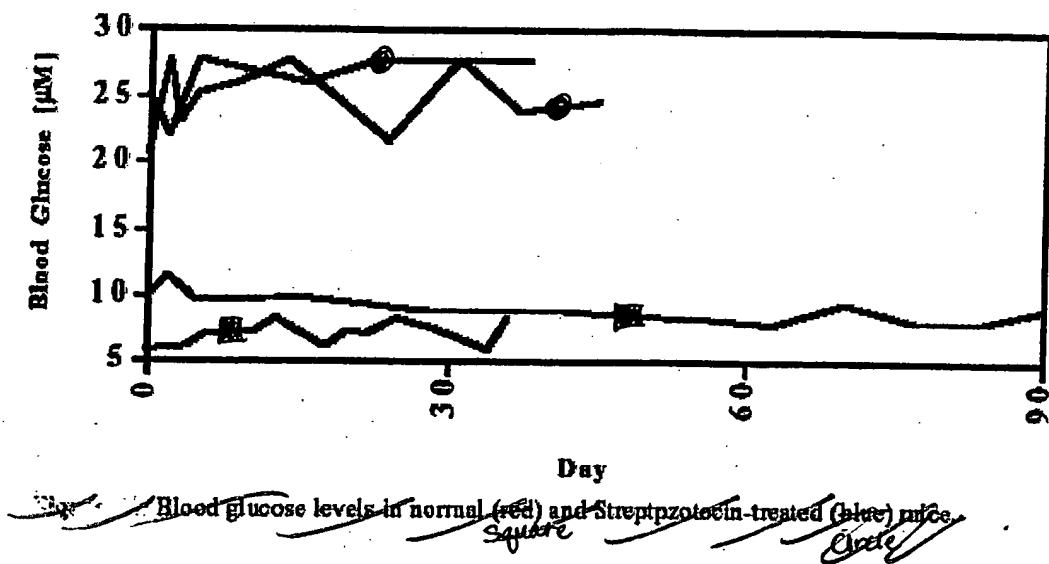


Figure 20

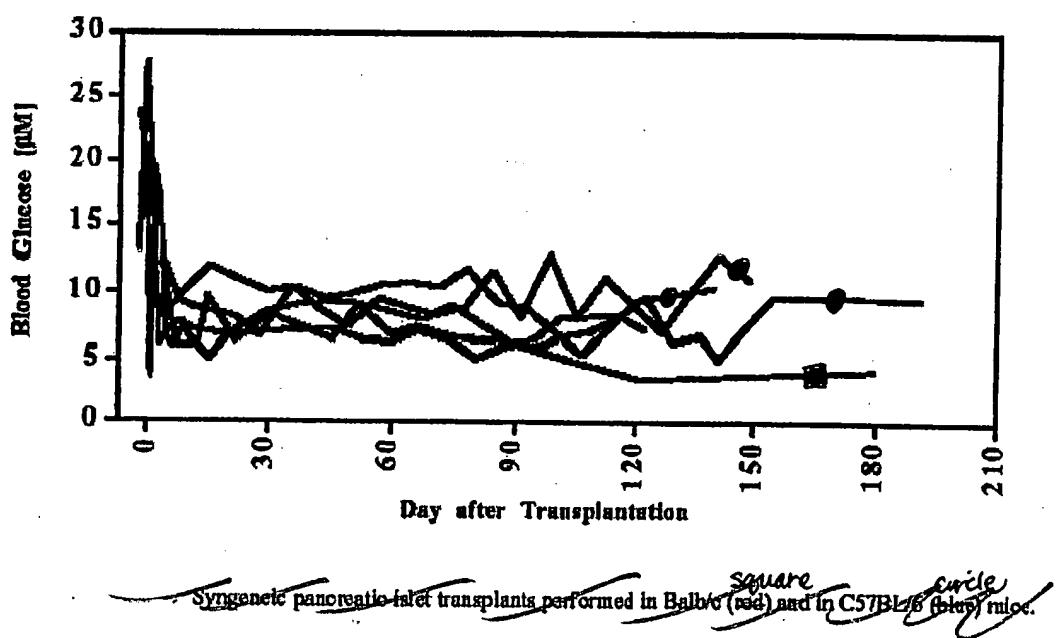
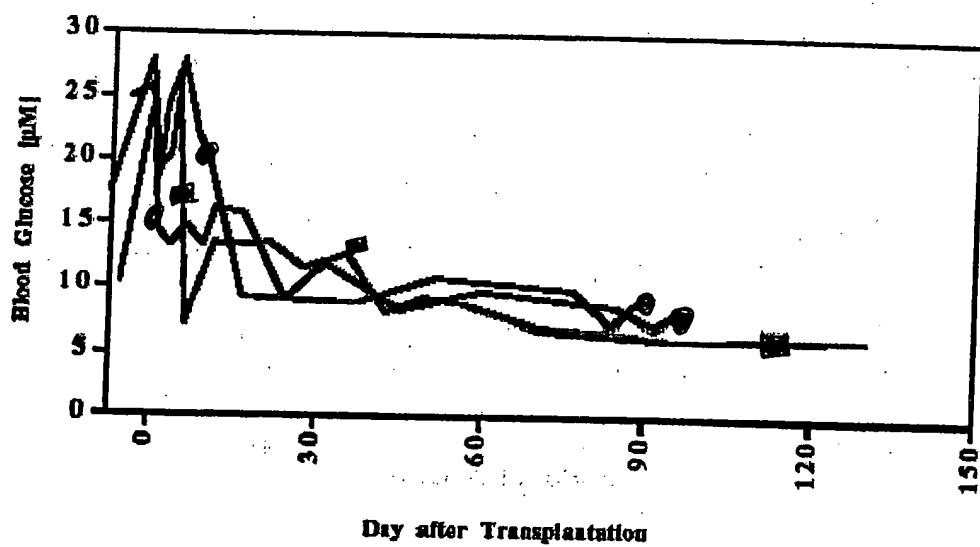


Figure 21

ANNOTATED SHEET  
SHOWING CHANGES



Transplantation of syngeneic mAdCD8-transduced pancreatic islets harvested from Balb/c (blue) or C57BL/6 (red) mice.  
circle      square

Figure 22

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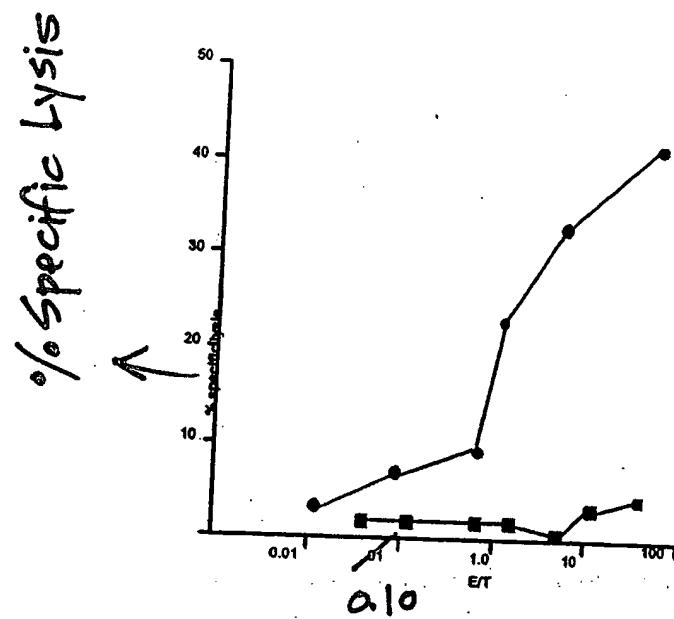
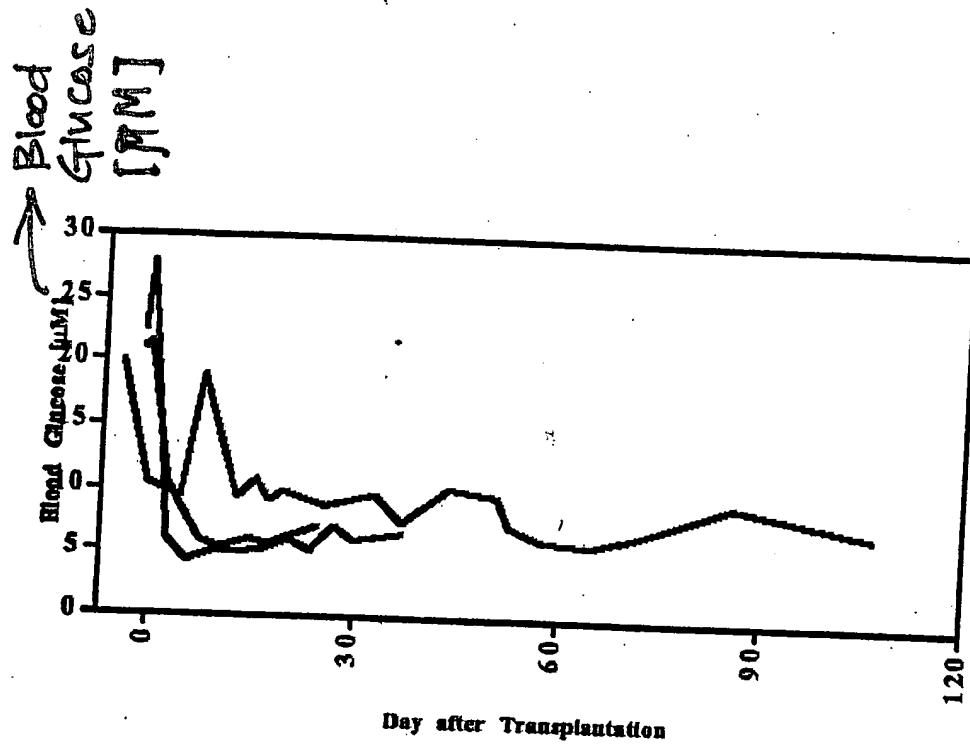


Figure 24

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~~Donors: mAdCD8-transduced C57BL/6 pancreatic islets were transplanted into  
Balb/c recipient mice.~~

**Figure 25**

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